



I

Borough of Crosby

Annual Report
of the
Medical Officer of Health
For the Year 1971

Borough of Crosby

Annual Report

of the

Medical Officer of Health

For the Year 1971

CONTENTS

| | <i>Page</i> |
|---|-------------|
| HEALTH COMMITTEE | 3 |
| STAFF OF THE DEPARTMENT | 4 |
| INTRODUCTORY LETTER BY MEDICAL OFFICER OF HEALTH | 6 |
| SECTION 1. VITAL STATISTICS | 7 |
| SECTION 2. DELEGATED HEALTH AND WELFARE SERVICES | 10 |
| SECTION 3. INSPECTION AND SUPERVISION OF FOOD | 26 |
| SECTION 4. PREVALENCE AND CONTROL OF INFECTIOUS DISEASES | 31 |
| SECTION 5. SHOPS ACT, 1950 ETC. | 33 |
| SECTION 6. FACTORIES ACTS 1937 TO 1961 | 34 |
| SECTION 7. HOUSING AND ENVIRONMENTAL HYGIENE | 36 |
| SUMMARY OF WORK OF THE PUBLIC HEALTH INSPECTORS | 41 |

BOROUGH OF CROSBY

MAYOR: Councillor FRANCIS LEO PRICHARD

DEPUTY MAYOR: Councillor E. R. BALL

TOWN CLERK : HAROLD O. ROBERTS, D.P.A., Barrister-at-Law.

HEALTH COMMITTEE AT THE END OF 1971

Chairman :

Councillor J. B. LUNDY

Deputy Chairman :

Councillor A. J. JONES

THE MAYOR

THE DEPUTY MAYOR

} *Ex-Officio Members.*

Alderman A. E. COLLINS

„ E. ROSEWARNE

„ J. SUTCH, B.E.M., J.P.

Councillor Mrs. R. BESWARICK

„ Mrs. E. M. BRUCE

„ A. V. CHADWICK, C.Eng., M.I.Mech.E.,
M.I.M.C.

„ J. P. CONNELL

„ P. P. JOHNSTONE

„ Miss J. G. KEMP, J.P.

„ Mrs. E. M. RIMMER

„ Mrs. A. SENIOR

„ T. SWAINSTON

„ Mrs. B. TAYLOR

STAFF OF THE PUBLIC HEALTH DEPARTMENT AS AT
31st DECEMBER 1971

Medical Officer of Health:

J. G. HAILWOOD, M.D., Ch.B., M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health:

MAUREEN E. MURPHY, M.B., Ch.B., D.Obst.

Departmental Medical Officers:

JOAN GILMOUR, M.B., Ch.B. (Part-time)

EMILY M. WINTER, M.B., Ch.B.

Dental Officers:

Mrs. M. BIRKINHEAD, B.D.S. (part-time). E. CROSBIE, L.D.S. (part-time)

G. FLENLEY, L.D.S., R.C.S.

Chief Public Health Inspector:

R. SPENCER, D.P.A. (L'pool)

Deputy Chief Public Health Inspector:

D. BARBER, M.A.P.H.I.

District Public Health Inspectors:

P. M. WATSON.

G. WRIGHT.

Health Visitors/School Nurses:

Mrs. H. CALLAGHAN

Mrs. A. CHURTON

Miss A. M. COLLEY

Mrs. A. M. C. JACOB (part-time)

Miss M. KENNY

Miss J. P. T. LEWIS

Mrs. E. F. LLOYD

Mrs. V. McGUIGAN (part-time)

Mrs. J. PARKINSON (part-time)

Mrs. M. B. POWER

Miss H. M. SWAIN

Clinic Nurses:

Mrs. B. M. ARCHER (part-time)

Mrs. E. KITT (part-time)

Mrs. N. McNEIL (part-time)

District Midwifery Sisters:

Mrs. A. M. Evans

Miss J. McGUINNESS

Mrs. J. M. SULLIVAN

District Nursing Sisters:

Mrs. F. C. BLACK

Mrs. E. BOLTON

Mrs. M. A. DORAN

Mrs. M. A. GARCIA

Mrs. M. H. GARDEN

Mrs. N. K. HUGHES

Mrs. M. C. OLSEN

Mrs. P. ROBERTS

Miss R. SHANNON

District Nurses :

Mrs. E. F. HUGHES

Miss M. M. MULCRONE

Mrs. A. A. WILSON

Mrs. M. MARL

Mrs. M. T. PARENT

Nursing Auxiliaries:

Mrs. M. DRURY

Mrs. M. R. SCAIFE

Dental Surgery Assistants :

Miss J. M. CLARKE

Miss M. T. BLUNDELL

Social Welfare Officer for the Blind

VACANCY

Home Help Organiser: Miss L. CARR

Welfare Services Organiser (part-time): J. LOWE

Social Welfare Officer (part-time): Mrs. M. DEMPSEY

Senior Mental Welfare Officer (part-time): J. RIGBY

Mental Welfare Officer (part-time) :

Miss M. MATTHEWS

Occupational Therapist (part-time) : Mrs. C. M. VENABLES

Senior Administrative Assistant :

S. JONES, D.P.A. (L'pool)

Second Administrative Assistant: Miss A. M. HOCKENHULL.

Clerical Staff :

Mrs. E. M. AYNLEY

Miss C. DRAPER

Mrs. N. DUFFY

Mrs. M. LEADBETTER

Miss C. RONSON

Mrs. M. COOTE

Miss J. DRAPER

Mrs. G. E. HOWELL

Mrs. H. A. PADDEN.

PUBLIC HEALTH DEPARTMENT,
22, THE ESPLANADE, WATERLOO, LIVERPOOL L22 5PT

Mr. MAYOR, LADIES AND GENTLEMEN,

I have the honour to present the 35th Annual Report on the health of the Borough of Crosby.

The health of the Borough remained satisfactory during the year. There were 125 cases of infectious diseases notified compared with 841 in 1970. The reduction was mainly due to a decrease in the number of cases of measles from 695 to 39. It is hoped that this reduction in the incidence of measles will become permanent now that more and more parents are taking advantage of the recently introduced immunisation against measles.

The Birth Rate at 15.7 per 1,000 population showed a slight decrease on the figure of 16.3 for 1970. The figure for England and Wales was 16.00.

The Death Rate showed a slight decrease at 13 per 1,000 population compared with 13.5 in 1970. The infant mortality rate was 25 per 1,000 live births compared with 21 last year.

The number of deaths from lung cancer at 46 was a reduction on the 48 such deaths in 1970 and a welcome trend after the constantly rising figure of the last few years. Perhaps anti-smoking propaganda and advice is at last having some effect.

The staff of the Health Department have carried out their duties in a most competent manner. Some figures of visits made during the year will indicate the extent of the work carried out. The Public Health Inspectors made 10,512 visits to various premises in relation to housing defects, food hygiene, and the proper upkeep of Offices, Shops and Railway premises. The Health Visitors paid 15,543 visits to children and families in their own homes in regard to the care of infants or social problems. The District Nurses paid 49,077 visits in attending to 1,487 patients who needed nursing care in their own homes, whilst the Home Helps provided a service to 681 homes where domestic help was necessary. These figures account for only a few of the services, but I would like to pay tribute to the high standard maintained by all the members of the staff during the year.

During 1971, several long serving members of the staff left on retirement. Mr. G. F. Lewis retired in October from the post of Chief Public Health Inspector, a post which he had filled for some 25 years and he was not only well known throughout the Borough but had endeared himself to Members and Officers of the Corporation and the Public alike. He was ever ready to help all and sundry with all sorts of problems of which he had a wide knowledge and is much missed by everyone.

Three long serving Health Visitors, Miss Armstrong, Miss Wilkinson and Miss Black also retired, each with more than 25 years service in the Borough. Each contributed in her own way to the building up of the Crosby Health Services and were stalwarts who have helped some three generations of mothers and their children as well as being pillars of strength to the Medical Staff of the Clinics. It is not easy to replace them. However, all three are healthy and fit and all their friends hope that they will all have a long and happy retirement.

Finally, I would thank the Chairman and Members of the Health Committee for their interest and support during the year and the Chief Officers and their staffs for ready help and assistance at all times.

I am your obedient servant,

July, 1972

J. G. HAILWOOD, *Medical Officer of Health*

SECTION 1

Vital Statistics for 1971

| | |
|---|------------|
| Area (land and inland water 4,499 acres, foreshore 2,321 acres) | 6,820 |
| Population at mid-1971 as estimated by Registrar General ... | 57,790 |
| Population at 1961 census | 59,166 |
| Population at 1951 census | 58,362 |
| Population at 1931 census | 50,569 |
| Number of inhabited houses at end of 1971 | 18,470 |
| Rateable value at 31st December, 1971 | £2,094,132 |
| Sum represented by a penny rate | £19,680 |

| | <i>Male</i> | <i>Female</i> | <i>Total</i> |
|---------------------------------------|-------------|---------------|--------------|
| Live Births —legitimate | 412 | 410 | 822 |
| —illegitimate | 29 | 30 | 59 |
| | <hr/> 441 | <hr/> 440 | <hr/> 881 |

Live birth rate per 1,000 population

—unadjusted 15.2

—adjusted (area comparability factor 1.03) 15.7

The birth rate for England and Wales was ... 16.0

Illegitimate live births as per cent of total live
births 7.0

| | | | |
|---------------------------------------|---------|---------|---------|
| Stillbirths —legitimate | 4 | 5 | 9 |
| —illegitimate | — | — | — |
| | <hr/> 4 | <hr/> 5 | <hr/> 9 |

Stillbirth rate per 1,000 total live and stillbirths 10

The stillbirth rate for England and Wales was 12

Total live and stillbirths 890

Deaths 377 413 790

Death rate per 1,000 estimated population—

—unadjusted 13.7

—adjusted (area comparability factor
0.95) 13.0

The death rate for England and Wales was ... 11.6

Infant deaths (deaths under one year)

—legitimate 10 9 19

—illegitimate 1 2 3

| | | |
|----------|----------|----------|
| <hr/> 11 | <hr/> 11 | <hr/> 22 |
| <hr/> | <hr/> | <hr/> |

Infant mortality rates :

| | |
|--|-------|
| —total infant deaths per 1,000 live births | 25 |
| —legitimate infant deaths per 1,000 legitimate live births | 23 |
| —illegitimate infant deaths per 1,000 illegitimate live births | 51 |
| The infant mortality rate for England and Wales was | 18 |
| Neo-natal mortality rate (deaths under 4 weeks per 1,000 total live births) | 14 |
| The neo-natal mortality rate for England and Wales was ... | 12 |
| Early neo-natal mortality rate (deaths under 1 week per 1,000 total live births) | 12 |
| Early neo-natal mortality rate for England & Wales was ... | 10 |
| Perinatal mortality rate (stillbirths and deaths under 1 week per 1,000 total live and stillbirths) | 22 |
| Perinatal mortality rate for England & Wales was | 22 |
| Maternal deaths (including abortion) | 1 |
| Maternal mortality rate per 1,000 total births | 0.001 |
| The maternal mortality rate for England and Wales was ... | 0.17 |

List of causes of Death during the year 1971

| | Male | Female | Total |
|---|------|--------|-------|
| Infective and parasitic diseases | — | 1 | 1 |
| Malignant neoplasm, stomach | 11 | 10 | 21 |
| Malignant neoplasm, lung, bronchus | 34 | 12 | 46 |
| Malignant neoplasm, breast | — | 7 | 7 |
| Malignant neoplasm, uterus..... | — | 4 | 4 |
| Other malignant and lymphatic neoplasms | 46 | 34 | 80 |
| Leukaemia, aleukaemia | — | 5 | 5 |
| Diabetes | 5 | 3 | 8 |
| Cerebrovascular disease | 38 | 66 | 104 |
| Ischaemic heart disease | 106 | 82 | 188 |
| Hypertensive disease | 6 | 9 | 15 |
| Other heart disease | 26 | 46 | 72 |
| Other circulatory disease | 8 | 20 | 28 |
| Influenza | 2 | 2 | 4 |
| Pneumonia | 18 | 29 | 47 |
| Bronchitis | 28 | 11 | 39 |
| Other diseases of respiratory system | 9 | 6 | 15 |
| Ulcer of stomach and duodenum | 1 | 4 | 5 |
| Gastritis, enteritis and diarrhoea..... | — | 1 | 1 |
| Congenital malformations | — | 7 | 7 |
| Other defined and ill-defined diseases | 27 | 27 | 54 |
| Motor vehicle accidents | 2 | 4 | 6 |
| All other accidents | 5 | 16 | 21 |
| Suicide | 3 | 1 | 4 |
| All other external causes | 2 | 6 | 8 |
| | 377 | 413 | 790 |

Causes of death of infants under one year of age

| Cause of death | Age at death | | | | | Totals |
|--|--------------|--------------------------|------------------------|--------------------------|----------------------------|--------|
| | Under 1 day | 1 day & less than 7 days | 1 wk & less than 4 wks | 4 wks & less than 6 mths | 6 mths & less than 12 mths | |
| Pneumonia | — | — | — | 1 | — | 1 |
| Congenital malformations | 2 | 2 | — | — | — | 4 |
| Acute respiratory infection | — | — | — | 3 | — | 3 |
| Enteritis | — | — | 1 | — | — | 1 |
| Other diseases peculiar to early infancy | 5 | 2 | — | — | — | 7 |
| All other causes | — | — | — | 4 | 2 | 6 |
| | 7 | 4 | 1 | 8 | 2 | 22 |

Comparative statistics for selected years

| | 1900 | | 1920 | | 1940 | 1960 | 1970 | 1971 |
|---|------------|------------------|------------|------------------|-------------------|--------|--------|--------|
| | Gt. Crosby | W'loo & Seaforth | Gt. Crosby | W'loo & Seaforth | Borough of Crosby | | | |
| Population | 7,974 | 22,500 | 14,605 | 30,233 | 54,280 | 58,440 | 58,200 | 57,790 |
| | 30,474 | | 44,838 | | | | | |
| Births | 156 | 575 | 280 | 723 | 830 | 1,052 | 921 | 881 |
| | 731 | | 1003 | | | | | |
| Birth Rate | 19·6 | 23·0 | 20·6 | 23·9 | 15·2 | 18·0 | 16·3 | 15·7 |
| Deaths | 100 | 305 | 133 | 421 | 752 | 777 | 826 | 790 |
| | 405 | | 554 | | | | | |
| Death Rate | 12·6 | 12·2 | 9·8 | 14·1 | 13·8 | 13·0 | 13·5 | 13·0 |
| Deaths of Infants Under 1 year of age | 12 | 76 | 22 | 76 | 53 | 25 | 19 | 22 |
| | 88 | | 98 | | | | | |
| Deaths from : Diphtheria | — | 3 | 1 | 8 | 7 | — | — | — |
| Scarlet Fever | — | — | 1 | 2 | — | — | — | — |
| Cancer | ? | 5 | 17 | 45 | 92 | 144 | 189 | 164 |
| Heart Disease | ? | 24 | 12 | 27 | 178 | 253 | 264 | 275 |
| Pulmonary Tuberculosis ... | ? | 24 | 11 | 18 | 29 | 9 | 2 | 2 |

SECTION 2

Delegated Health and Welfare Services

As provided by the Local Government Act 1958, the Lancashire County Council delegated to the Borough of Crosby, commencing on the 1st September, 1960, the following functions :

National Health Service Act, 1946

Sections 21 Health Centres

22 Care of Mothers and Young Children

23 Midwifery

24 Health Visiting

25 Home Nursing

26 Vaccination and Immunisation

28 Prevention of Illness, Care and After Care
(except the care or after-care in residential accommodation of persons suffering from mental illness)

29 Home Help Service

Mental Health Act, 1959

National Assistance Act, 1948, Sections 29 and 30

(Welfare of the Blind and Partially Sighted delegated on 1st April 1962)

NATIONAL HEALTH SERVICE ACT 1946—SECTION 21

Health Centres

There are no Health Centres in the Borough and no proposals for the future.

NATIONAL HEALTH SERVICE ACT 1946—SECTION 22

Care of Mothers and Young Children

Ante-natal and Postnatal care. The domiciliary midwives hold a weekly session at Prince Street Clinic, Waterloo, for the women they have booked for home confinement. The Deputy Medical Officer of Health who attends this clinic holds obstetrical qualifications. The reduced attendances, given in the table below, reflect the decreased number of home confinements attended by the midwives during 1971.

| | 1971 | 1970 |
|---|------|------|
| No. of sessions | 42 | 51 |
| No. of individuals attending—ante-natal | 17 | 42 |
| —post-natal | — | — |
| No. of attendances—ante-natal | 92 | 157 |
| —post-natal | — | — |

Relaxation, exercise and mothercraft classes are held under the supervision of one of the health visitors who is also a physiotherapist.

| | 1971 | 1970 |
|------------------------------|------|------|
| No. of sessions | 48 | 41 |
| No. of individuals attending | 74 | 92 |
| No. of attendances | 553 | 556 |

Child Health Centres. These centres are provided to which mothers can bring their babies regularly for supervision and advice by the medical officer and the health visitor. The average attendance per session remained about the same as the previous year. 102 children were referred to specialists and 62 to the child's own general practitioner. Certain proprietary foods are on sale from the centres for expectant and nursing mothers requiring them for medical reasons and may be supplied on the recommendation of the medical officer or health visitor to mothers and children who attend regularly.

Work done at all Child Health Centres

| | No. of sessions | No. of individual children who attended and were born in : | | | No. of attendances by children at ages : | | | Average attendances by all children per session |
|--|-----------------|--|------|-----------|--|------|------|---|
| | | 1971 | 1970 | 1966-1969 | 0- | 1- | 2-4 | |
| Prince Street, Waterloo | 88 | 235 | 150 | 209 | 2630 | 435 | 493 | 40 |
| Alexandra Hall, Great Crosby | 112 | 257 | 228 | 223 | 3289 | 796 | 927 | 45 |
| Seaforth Library, Seaforth | 48 | 119 | 124 | 137 | 1788 | 530 | 968 | 68 |
| All Saints, Crosby (closed 25/1/71) | 4 | 11 | 14 | 15 | 206 | 75 | 79 | 90 |
| Bretlands Rd, Thornton (opened 5/2/71) | 45 | 118 | 141 | 158 | 1408 | 341 | 501 | 50 |
| Totals | 297 | 740 | 657 | 742 | 9321 | 2177 | 2968 | 48.7 |

Welfare Food Service. On behalf of the Ministry of Health, certain welfare foods viz : National Dried Milk, Orange Juice, Cod Liver Oil and Vitamin tablets, are distributed. Of the five centres, three are staffed by members of the Women's Royal Voluntary Service.

Congenital Malformations. At the end of 1963, the Chief Medical Officer of the Ministry of Health requested that as from 1st January, 1964., information be sent to the General Register Office where malformation had been observed at a child's birth. The object is to compile statistical information from which it should be possible to detect any national or regional changes in the pattern.

The 8 children notified in Crosby during 1971, a decrease on the previous year of four, fell into the following groups:-

| <i>Condition</i> | <i>Number</i> |
|---------------------------------------|---------------|
| Cleft Palate | 1 |
| Spina Bifida..... | 1 |
| Anencephalus | 1 |
| Reduction deformity Hand or Arm .. | 2 |
| Pigmented Naevus | 1 |
| Talipes | 1 |
| Hydrocephalus | 1 |
| Other defects of Male Genitalia | 1 |
| Other specified Syndromes | 1 |
| | <hr/> 10 |

It will be noted that some of the children were suffering from more than one malformation.

Dental Treatment. Dental treatment, including the supply and repair of dentures, is provided free to expectant and nursing mothers and children under five years of age. Clinics are held at Prince Street, Thornton and Alexandra Hall. Treatment was given to 89 patients compared with 91 the previous year.

Work of the Dental Officers

| | <i>Infants not yet attending school</i> | <i>Expectant and nursing mothers</i> |
|--|---|--|
| No. examined | 95 | 23 |
| No. needing treatment | 70 | 23 |
| No. treated | 69 | 20 |
| No. of individuals actually treated who were rendered dentally fit | 32 | 10 |
| No. of attendances for treatment | 129 | 76 |
| No. of extractions | 74 | 34 |
| No. of general anaesthetics administered | 45 | 2 |
| No. of fillings | 65 | 53 |
| No. of other treatments | 8 | 11 |
| No. of patients X-rayed | 1 | 3 |
| No. of dentures provided—complete partial | — — | 2 — |

Ascertainment of Deafness in Young Children. In view of the importance of diagnosing deafness at a very early age, all the health visitors have received special training and carry out screening tests of hearing on young children either at the child welfare centres or in the homes of the children. Cases requiring further investigation are sent to special clinics at Fulwood, Nr. Preston, or in Liverpool.

HEARING TESTS

| | <i>" At risk " groups</i> | | | | | | <i>Others</i> | | | | | |
|---------------------|---------------------------|----|----|----|----|-----------------------------------|-------------------------|----|----|----|----|-----------------------------------|
| | <i>Ages of children</i> | | | | | <i>Total No. of tests</i> | <i>Ages of children</i> | | | | | <i>Total No. of tests</i> |
| | 0- | 1- | 2- | 3- | 4- | | 0- | 1- | 2- | 3- | 4- | |
| No. of first tests | 71 | 12 | — | — | — | 83 | 197 | 47 | — | — | — | 244 |
| No. of second tests | 2 | 1 | — | — | — | 3 | 4 | 3 | — | — | — | 7 |

Phenylketonuria. A severe degree of mental deficiency is associated with a high concentration of phenylamine in the blood and it is important that this be detected as early as possible in order to start dietary treatment. The health visitors make a simple blood test of babies aged between 10-14 days and in 1971 668 tests were made. No child was found to be positive.

Premature Infants. Premature infants are those who weigh 5½ lbs. or less at birth. Health visitors are required to give priority to the visiting of such cases and to work in close co-operation with the midwife in attendance where the confinement takes place at home. Special cots, feeders and hot-water bottles are supplied on loan where necessary. The following table gives details of the 55 premature live births and 6 premature stillbirths, which occurred :

| No. of premature live births : | | | | No. of premature stillbirths : | | | |
|--------------------------------|---------------------------------|-----|----|--------------------------------|---------------------------------|-----|---|
| (a) | in hospital | ... | 51 | (a) | in hospital | ... | 6 |
| (b) | at home | ... | 3 | (b) | at home | ... | — |
| (c) | in private nursing homes ... | ... | 1 | (c) | in private nursing homes ... | ... | — |
| | | | — | | | | — |
| Total ... | | | 55 | Total ... | | | 6 |
| | | | — | | | | — |

| Premature live births | | | | | | | | | | Premature stillbirths | | | |
|---------------------------------|------------------|--------------------------|-----------------------|--|--------------------------|-----------------------|---|--------------|--------------------------|-----------------------|------------------------|-------------|------------------------------|
| Weight at birth | Born in hospital | | | Born at home or in a nursing home | | | | | | | Born | | |
| | | | | Nursed entirely at home or in a nursing home | | | Transferred to hospital on or before 28th day | | | | | | |
| | Total births | Died | | | Died | | | Total births | Within 24 hours of birth | In 1 and under 7 days | In 7 and under 28 days | In hospital | At home or in a nursing home |
| | | Within 24 hours of birth | In 1 and under 7 days | In 7 and under 28 days | Within 24 hours of birth | In 1 and under 7 days | In 7 and under 28 days | | | | | | |
| 2lb. 3ozs. or less | 2 | 1 | — | — | — | — | — | — | — | — | — | 2 | — |
| Over 2lb. 3ozs. up to and incl. | 2 | 2 | — | — | — | — | — | — | — | — | — | — | — |
| 3lb. 4ozs. Over 3lb. | 9 | 2 | 1 | — | — | — | — | — | — | — | — | 2 | — |
| 4ozs. up to and incl. | 21 | 1 | — | — | — | — | — | — | — | — | — | 2 | — |
| 4lb. 6ozs. Over 4lb. | 17 | — | — | — | 3 | 1 | — | — | 1 | — | — | — | — |
| 6ozs. up to and incl. | | | | | | | | | | | | | |
| 4lb. 15ozs. Over 4lb. | | | | | | | | | | | | | |
| 15ozs. up to and incl. | | | | | | | | | | | | | |
| 5lb. 8ozs. | | | | | | | | | | | | | |
| Totals | 51 | 6 | 1 | — | 3 | 1 | — | — | 1 | — | — | 6 | — |

Care of Unmarried Mothers and their Children. The health visitors keep a careful watch on the children of unmarried mothers and work in close co-operation with the officers of the Children's Department and with moral welfare workers. Grants are made to Voluntary Associations whose workers are active in the area and financial assistance was given to four unmarried mothers who applied for admission to mother and baby homes, one less than the previous year.

Family Planning Clinics. Women who, for medical reasons and in the interests of their health, require advice on birth control may be referred to a Family Planning Clinic. The Family Planning Association hold weekly sessions at Prince Street Clinic, Waterloo.

Maternity Outfits. Maternity outfits are provided free for patients attended by the domiciliary midwives.

Day Nurseries. There are no day nurseries in the Borough.

NATIONAL HEALTH SERVICE ACT 1946—SECTION 23

Midwifery. The domiciliary midwifery scheme provides for the employment of whole-time midwives who attend the confinements of patients in their own homes. They made 3,650 visits, showing a decrease on the number for 1970 which was 4,045 visits. The total number of home confinements attended by the midwives decreased from 53 in 1970 to 38 in 1971.

Roll of Midwives at 31st December 1971

| | <i>Total No.</i> | <i>No. qualified to administer inhalational analgesics</i> |
|---------------------------------|------------------|--|
| Local Health Authority Midwives | 3 | 3 |
| Midwives in Nursing homes | 5 | 5 |

Confinements attended

| | <i>Confinements</i> |
|---------------------------------|---------------------|
| Local Health Authority Midwives | 38 |
| Midwives in Nursing homes | 218 |

Of the 25 confinements attended by the local authority midwives where analgesics were administered, 14 were given Trilene and 11 were given Nitrous Oxide and Oxygen.

The number of women discharged early from the maternity hospitals to the care of the domiciliary midwives was 721 (against 715 in 1970), 2,533 visits being paid to such cases compared with 2,524 the previous year.

NATIONAL HEALTH SERVICE ACT 1946—SECTION 24

Health Visiting. Health Visitors have nursing and midwifery qualifications in addition to possessing the health visitors certificate. They are specially trained to deal with social problems and frequently act as the link between the family and various statutory and voluntary social services available to them. While health visitors are concerned with all classes of the community needing advice, particular attention is given to the care of infants and young children, the aged and the handicapped. Visits during the year totalled 15,543 against 17,933 visits during the previous year.

Persons or households visited

| | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-------|
| (1) | Total number of cases | ... | ... | ... | ... | ... | 5,347 |
| (2) | Children born in—1971 | ... | ... | ... | ... | ... | 936 |
| (3) | —1970 | ... | ... | ... | ... | ... | 1,012 |
| (4) | —1966/69 | ... | ... | ... | ... | ... | 2,787 |
| (5) | Total number of children in (2) to (4) above | ... | ... | ... | ... | ... | 4,735 |
| (6) | Persons aged 65 or over | ... | ... | ... | ... | ... | 535 |
| (7) | Number included in (6) who were visited at the special request of a G.P. or hospital | ... | ... | ... | ... | ... | 35 |
| (8) | Mentally disordered persons | ... | ... | ... | ... | ... | 17 |
| (9) | Number included in (8) who were visited at the special request of a G.P. or hospital | ... | ... | ... | ... | ... | 6 |
| (10) | Persons discharged from hospital, other than mental hospitals and excluding maternity cases | ... | ... | ... | ... | ... | 7 |
| (11) | Number included in (10) who were visited at the special request of a G.P. or hospital | ... | ... | ... | ... | ... | 5 |
| (12) | Number of tuberculous households visited by health visitors | ... | ... | ... | ... | ... | 4 |
| (13) | Number of tuberculous households visited by tuberculosis visitors | ... | ... | ... | ... | ... | 114 |
| (14) | Number of households visited on account of other infectious diseases | ... | ... | ... | ... | ... | 4 |
| (15) | Other cases | ... | ... | ... | ... | ... | 131 |

Visits paid

| | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-------|
| Expectant mothers | ... | ... | ... | ... | ... | ... | 156 |
| Children under 5 years | ... | ... | ... | ... | ... | ... | 9,851 |
| Adults (excluding expectant mothers and tuberculosis) | | | | | | | |
| —under 65 years | ... | ... | ... | ... | ... | ... | 381 |
| —65 and over | ... | ... | ... | ... | ... | ... | 1,195 |
| Tuberculosis—Cases—under 65 years | ... | ... | ... | ... | ... | ... | 285 |
| —65 and over | ... | ... | ... | ... | ... | ... | 98 |
| —Contacts—under 65 years | ... | ... | ... | ... | ... | ... | 372 |
| —65 and over | ... | ... | ... | ... | ... | ... | 42 |
| Others | ... | ... | ... | ... | ... | ... | 1,471 |
| Ineffective visits | ... | ... | ... | ... | ... | ... | 1,692 |

NATIONAL HEALTH SERVICE ACT 1946—SECTION 25

Home Nursing. The district nurses are engaged in the attendance on persons who require nursing care in their own homes. They work in close co-operation with the general medical practitioners. The 1,487 cases attended during 1971 compares with 1,467 cases attended during 1970. Visits paid increased from 44,098 to 49,077.

General nursing cases attended

| | | | |
|--|-----|-------|-------|
| No. on registers at 1st January 1971 | ... | ... | 442 |
| New cases attended | ... | ... | 1,045 |
| | | Total | 1,487 |
| No. of cases completed | ... | ... | 1,062 |
| No. on registers at 31st December 1971 | ... | | 425 |

Visits paid during period

| | | | | |
|-------------------------------|-----|-----|-----|--------|
| To general cases on registers | ... | ... | ... | 41,216 |
| Casual advisory visits | ... | ... | ... | 7,861 |
| | | | | 49,077 |

Analysis of 858 completed cases

(a) by sex and age group :

| | 0-4 | 5-14 | 15-44 | 45-64 | 65+ | Totals |
|------------|-----|------|-------|-------|-----|--------|
| Male ... | 5 | 13 | 36 | 66 | 147 | 267 |
| Female ... | 8 | 6 | 72 | 123 | 382 | 591 |

(b) by agency of reference :

| Services of nurse requested by | Number | Per cent |
|--------------------------------|--------|----------|
| —general practitioner | 693 | 80.8 |
| —hospital | 153 | 17.8 |
| —P.H. Authority | 6 | 0.7 |
| —direct | 5 | 0.6 |
| —other | 1 | 0.1 |

(c) disposal of cases :

| | <i>Number</i> | <i>Per cent</i> |
|------------------------------|---------------|-----------------|
| Recovered, relieved, etc.... | 432 | 50.3 |
| Admitted to hospital | 233 | 27.2 |
| Died | 106 | 12.4 |
| Gone away | 40 | 4.7 |
| Out-patient X-ray etc. | 9 | 1.0 |
| Nurse withdrawn... | 26 | 3.0 |
| Other | 12 | 1.4 |

(d) By disease or ailment and duration of treatment.

| Disease or Ailment | DURATION OF TREATMENTS | | | | | |
|---|------------------------|----------------------------|---------------------------------------|--------------|-----------------------|---|
| | Total No. of cases | Length of Treatment (days) | Average duration of treatment (weeks) | Total visits | Average No. of visits | Average No. of visits per case per week |
| Tuberculosis of respiratory system | 1 | 5 | 0.7 | 4 | 4.0 | 5.7 |
| Other infective and parasitic diseases | 21 | 1447 | 9.8 | 574 | 27.3 | 2.8 |
| Cancer | 68 | 5730 | 12.0 | 3547 | 52.2 | 4.4 |
| Diabetes | 15 | 2488 | 23.7 | 1708 | 113.9 | 4.8 |
| Anaemias and other blood diseases | 64 | 11062 | 24.7 | 1350 | 21.1 | 0.9 |
| Mental, psychoneurotic disorders | 13 | 1326 | 14.6 | 391 | 30.1 | 2.1 |
| Cerebral haemorrhage, cerebral embolism and thrombosis | 7 | 3272 | 66.8 | 987 | 141.0 | 2.1 |
| Other diseases of central nervous system | 27 | 2588 | 13.7 | 439 | 16.3 | 1.2 |
| Diseases of eye, ear and mastoid process | 10 | 568 | 8.1 | 578 | 57.8 | 7.1 |
| Diseases of heart and circulatory system | 90 | 7007 | 11.1 | 2637 | 29.3 | 2.6 |
| Influenza | 1 | 12 | 1.7 | 8 | 8.0 | 4.7 |
| Pneumonia | 9 | 666 | 10.6 | 205 | 22.8 | 2.2 |
| Bronchitis | 12 | 487 | 5.8 | 558 | 46.5 | 8.0 |
| Other diseases of respiratory system | 18 | 1276 | 10.1 | 453 | 25.2 | 2.5 |
| Diseases of digestive system | 121 | 2450 | 2.9 | 1306 | 10.8 | 3.7 |
| Diseases of genito-urinary system | 44 | 4404 | 14.3 | 668 | 15.2 | 1.1 |
| Diseases of the skin | 89 | 6190 | 9.9 | 2512 | 28.2 | 2.8 |
| Diseases of bones and organs of movement (including rheumatism and arthritis) | 52 | 14701 | 40.4 | 2873 | 55.3 | 1.4 |
| Senility and ill-defined conditions | 113 | 13391 | 16.9 | 4511 | 39.9 | 2.4 |
| Burns and scalds | 14 | 512 | 5.2 | 231 | 16.5 | 3.2 |
| Other accidents, injuries, etc. | 52 | 3383 | 9.3 | 901 | 17.3 | 1.9 |
| All other conditions | 17 | 1467 | 12.3 | 519 | 30.5 | 2.5 |
| TOTALS | 858 | 84432 | 14.1 | 26960 | 31.4 | 2.2 |

NATIONAL HEALTH SERVICE ACT 1946—SECTION 26

Vaccination and Immunisation

Vaccination against Smallpox.—facilities are provided for the free vaccination of any child desiring it either at the clinics or by general practitioners. Supplies of vaccine lymph are obtained in bulk through the Public Health Laboratory Service and distributed from the Health Department to general practitioners and the clinics.

| No. of vaccinations performed | | | | | | |
|-------------------------------|--|-------------------|---------------------------------|--------------|--------------|--------|
| | | <i>At clinics</i> | <i>By general practitioners</i> | | <i>Total</i> | |
| Age in years | | Age in years | | Age in years | | |
| 0-4 5-15 | | 0-4 | 5-15 | 0-4 | 5-15 | |
| Primary vaccination | | 81 | 2 | 135 | 19 | 216 21 |
| Re-vaccination | | — | 11 | 1 | 22 | 1 33 |

Immunisation against Diphtheria, Whooping Cough, Tetanus Poliomyelitis and Measles—

Immunisation against diphtheria, whooping cough and tetanus can be given as a “triple” vaccine, or a “combined” vaccine against diphtheria and whooping cough or tetanus or a “single” vaccine against diphtheria alone. Vaccination against poliomyelitis and measles is also made available at the clinics or by general practitioners.

Rubella vaccine is available for all thirteen year old girls as a protection against german measles.

| Children protected | | | | | |
|--------------------------|----|----------------------|-------------|--------------------|--------|
| | | <i>Year of birth</i> | | | Totals |
| Protection given against | | 1971/ 68 | 1967/ 64 | Others under 16 | |
| Diphtheria | P. | 645 | 59 | 17 | 721 |
| | R. | 15 | 414 | 62 | 491 |
| Whooping cough | P. | 636 | 37 | 7 | 680 |
| | R. | 12 | 125 | 22 | 159 |
| Tetanus | P. | 645 | 59 | 17 | 721 |
| | R. | 15 | 414 | 66 | 495 |
| Poliomyelitis | P. | 640 | 67 | 19 | 726 |
| | R. | 21 | 385 | 68 | 474 |
| Measles | P. | 364 | 43 | 2 | 409 |
| Rubella | P. | — | — | 1002 | 1002 |

P—primary immunisation. R—reinforcement injection.

NATIONAL HEALTH SERVICE ACT 1946—SECTION 28

Prevention of Illness, Care and After-care

Tuberculosis. The treatment of tuberculosis is the responsibility of the Liverpool Regional Hospital Board but Tuberculosis Visitors, employed by the County Council, are engaged in the domiciliary visiting of notified cases of tuberculosis and contacts, working in close co-operation with the chest physician whose clinic they attend regularly. Extra nourishment may be provided in certain circumstances where this is recommended by the chest physician. Garden shelters and medical requisites may be loaned to tuberculous patients. Financial responsibility may be accepted for maintenance in special residential training centres.

In accordance with the Public Health (Tuberculosis) Regulations 1952, 20 new cases were registered during the year compared with 13 the previous year. Two deaths from tuberculosis were recorded.

B.C.G. Vaccination. The B.C.G. vaccination scheme offers vaccination against tuberculosis where appropriate, to school children from approximately 13 years of age up to school leaving age, including students attending universities, teacher training colleges, technical colleges and other further education establishments. The Medical Officers receive special training in B.C.G. vaccination technique. 207 persons were vaccinated in 1971, by the Chest Physician at the Chest Clinic, and ten schools were completed by the School Medical Officers.

(a) Vaccinations by the Chest Physician

| | <i>Under 2 years of age</i> | <i>2 & under 5 years of age</i> | <i>5 & under 15 years of age</i> | <i>15 years of age & over</i> |
|---------------------------|-------------------------------------|---|--|---|
| No. of persons tested | 22 | 17 | 163 | 5 |
| No. found positive | — | — | — | — |
| No. found negative | 22 | 17 | 163 | 5 |
| No. of persons vaccinated | 22 | 17 | 163 | 5 |

(b) Vaccination of School Children

| | 1971 | 1970 |
|---|------|------|
| No. of schools completed | 10 | 9 |
| No. of consent forms sent to parents | 1099 | 1039 |
| No. returned—refused | 139 | 95 |
| —consented | 947 | 914 |
| No. found positive | 108 | 87 |
| No. found negative | 665 | 613 |
| No. of children vaccinated | 660 | 613 |

Cervical Cytology. A total of 571 women were examined at the cervical cytology clinic held at Prince Street. Of these 32 were referred to their general practitioners for other conditions, and a possible positive result to the smear test for cervical cancer was given to one.

Health Education. The staff of the Health Department, and the health visitors in particular, are all continuously engaged in health education. Activities include talks on health matters to the mothers attending the clinics, women's organisations and other associations, supported on occasion by the showing of films.

Convalescent Care. Convalescent Home care is arranged in suitable cases on the recommendation of a general practitioner, the applicants paying the whole or part of the cost according to their financial means. Eight applicants (three male and five female) were assisted during the year, one more than in the previous year.

Loan of Nursing Equipment. Articles of nursing equipment are available on loan to patients who are confined or nursed at home. Items of equipment available include : air rings, beds, mattresses, bed-rests, invalid chairs, walking aids, bed pans, commodes, draw sheets and urinals. There is no charge for this service.

Chiropody Service. This free service is limited to the aged, the physically handicapped and expectant mothers. Two sessions per week are held at the School Clinic, Seaforth, four at the School Clinic, Waterloo, 3 sessions per fortnight at the School Clinic, Thornton, and one session per fortnight at the Community Centre on the Brownmoor Estate. The Chiropodists are employees on loan from Health Division No. 7 but the organising of the clinics is done by the Crosby Old People's Welfare Committee. The number of individuals treated in 1971 was 806, the same as in 1970 and the number of treatments given was 2,628 compared with 2,711 the previous year.

Work done by the Chiropody Service

| No. of clinics operating at yr. end | Total No. of clinic sessions held | No. of treatments given to patients | | | | No. of individuals treated | | | |
|--|---|--|---------------|------------------------|-------|--------------------------------|---------------|------------------------|-------|
| | | In homes for the elderly | In clinics | At patients home | Total | In homes for the elderly | In clinics | At patients home | Total |
| 3 | 332 | 51 | 2431 | 146 | 2628 | 7 | 756 | 43 | 806 |

All the patients treated were in the category "aged", except for one handicapped person.

NATIONAL HEALTH SERVICE ACT 1946—SECTION 29**Home Help Service.**

The services of a home help are available to expectant mothers, families deprived of the mother's care by sudden illness or removal to hospital, sick or aged persons living alone who are unable to look after themselves and have no relative to care for them. The home help manages the home in the absence of the mother, keeps the house clean, shops, prepares and cooks meals, cares for the children and does the washing and mending. A charge is made according to means. 64 part-time home helps were employed at 31st December, 1971.

| | | | | | | Cases attended during | |
|-----------------------------------|-----|-----|-----|-----|-----|-----------------------|------|
| | | | | | | 1971 | 1970 |
| Special cases | ... | ... | ... | ... | ... | 1 | — |
| Confinement—at home | ... | ... | ... | ... | ... | 3 | 2 |
| —away from home | ... | ... | ... | ... | ... | 10 | 17 |
| Tuberculosis—aged 65 or over | ... | ... | ... | ... | ... | 1 | 2 |
| —aged under 65 | ... | ... | ... | ... | ... | 3 | 1 |
| Mentally disordered—aged under 65 | ... | ... | ... | ... | ... | 2 | 4 |
| Chronic sick—aged under 65 | ... | ... | ... | ... | ... | 55 | 55 |
| —aged and infirm (65 or over) | ... | ... | ... | ... | ... | 552 | 512 |
| All other cases—aged 65 or over | ... | ... | ... | ... | ... | 15 | 18 |
| —aged under 65 | ... | ... | ... | ... | ... | 39 | 40 |
| | | | | | | 681 | 651 |

NATIONAL HEALTH SERVICE ACT 1946—SECTIONS 28 & 51 AND THE MENTAL HEALTH ACT 1959.

Mental Health Services. The Mental Health Act 1959 came into operation on the 1st November 1960, repealing the Mental Deficiency and Lunacy Acts. The new Act envisages a fresh approach to the problem of mental illness, admissions to hospital for treatment to be an informal arrangement through psychiatric out-patient clinics just as in other illnesses. Compulsory emergency admissions, instead of being dealt with through a magistrate as under the old legislation, will be arranged by doctors. The Mental Welfare Officers undertake the care and after-care of patients who no longer need hospital treatment, making regular visits to offer help and guidance. They work in close co-operation with the psychiatric clinic staff. The part-time services of the Mental Welfare Officers are made available from Lancashire Health Division No. 7. A Social Club for Convalescent patients is held on one night a week at the Training Centre, 9, Crosby Road South, Waterloo.

Training Centre. The Waterloo Training Centre for mentally sub-normal children has not been delegated and is still administered by the Lancashire Health Division No. 7.

Residential Accommodation. Residential accommodation for the mentally disordered has not been delegated by the County Council.

Guardianship. The authority may accept the duties of guardianship.

NATIONAL ASSISTANCE ACT 1948—SECTIONS 29 & 30

Welfare Services for the Blind and Partially Sighted. The administration of this service was delegated to the Council from the Lancashire County Council on the 1st April, 1962. Blind persons newly registered during the year totalled 12 and of these 1 was in the age group 50-59 and the remaining 11 were over 60 years. Of the 12 newly registered partially sighted, 1 was in the age group 30-39 and the remaining 11 were over 60 years.

Registered partially sighted persons as at 31.12.71

| <i>Age Group</i> <i>Years</i> | <i>Males</i> | <i>Females</i> | <i>Total</i> |
|----------------------------------|--------------|----------------|--------------|
| 0—4 | — | — | — |
| 5—15 | 3 | — | 3 |
| 16—20 | 2 | 1 | 3 |
| 21—49 | 5 | 2 | 7 |
| 50—64 | 3 | 5 | 8 |
| 65 and over | 3 | 28 | 31 |
| | <hr/> 16 | <hr/> 36 | <hr/> 52 |

Registered blind persons as at 31.12.71

| <i>Age group</i> <i>Years</i> | <i>Males</i> | <i>Females</i> | <i>Total</i> |
|----------------------------------|--------------|----------------|--------------|
| 0—4 | — | — | — |
| 5—15 | 2 | 1 | 3 |
| 16—20 | 1 | — | 1 |
| 21—49 | 4 | 3 | 7 |
| 50—64 | 13 | 11 | 24 |
| 65 and over | 19 | 58 | 77 |
| | <hr/> 39 | <hr/> 73 | <hr/> 112 |

A handicraft centre is organised at St. Andrew's Church Hall, Waterloo, each Wednesday morning and afternoon and a social centre at Linacre Mission, Litherland, is open each Tuesday afternoon.

At the end of the year, 34 blind and 12 partially sighted persons possessed talking book machines.

Welfare Services for the Handicapped (other than the blind and partially sighted). It is the duty of the Council to arrange for social workers to advise handicapped persons how best to obtain any available assistance of which they may be in need and to assist them to overcome the

effects of their disabilities. The assistance of Voluntary Organisations in domiciliary visiting is welcomed. Financial help may be given for works of adaptation in the home and the provision of special equipment to mitigate the effect of disability. Facilities are available for the tuition and practice of handicrafts. Welfare Services for the Deaf and Hard of Hearing have not been delegated from the County Council.

Of the 106 men and 141 women on the register of handicapped persons at the end of the year, 32 were employed in open industry, and 2 in sheltered workshops. The number who were incapable of work was 90.

The Occupational Therapist made 292 visits to 25 handicapped persons.

Financial assistance was given in twelve cases for adaptations at the homes of handicapped persons to provide greater comfort or convenience.

The County Council arranged for a party of handicapped persons to go on holiday to a holiday camp during the early autumn and 6 people from Crosby were included in the party. Some were also sent on holiday to Lakeland View, Fleetwood, a County Council holiday home.

Nurseries and Child Minders Regulations Act, 1948

This Act requires that Registers should be kept of:-

- (a) Premises where children are received to be looked after.
- (b) Persons who for reward receive into their homes children under the age of 5 to be looked after

From the 1st November, 1968, the Council's powers have been extended by the Health Services and Public Health Act, 1968, to enable registration to be refused on grounds of unsatisfactory premises, equipment or persons. The Council have a duty to arrange inspection and to lay down numbers of children and staff. The penalties for non-registration have been increased.

Seven child minders and eleven play groups were registered at the end of the year.

Medical Examinations

The medical staff carried out medical examinations for a variety of purposes as the table below indicates :—

| | | | | | |
|--|-----|-----|-----|-----|----|
| Fitness for employment | ... | ... | ... | ... | 16 |
| Children in care of the Children's Committee | ... | ... | ... | ... | 45 |
| Entry to Teachers Training Colleges | ... | ... | ... | ... | 84 |
| Entrants to teaching profession | ... | ... | ... | ... | 5 |

SECTION 3

INSPECTION AND SUPERVISION OF FOOD

During the year 178 samples of food and drugs were purchased and submitted for analysis. 49 were formal and 129 were informal samples.

Details are given in the following table.

| Article | No. examined | | | No. adulterated or otherwise giving rise to irregularity | | | No. of Vendors Warned | Informations laid |
|----------------------------------|--------------|----------|-------|--|----------|-------|-----------------------|-------------------|
| | Formal | Informal | Total | Formal | Informal | Total | | |
| Blackcurrant Health Drink | — | 1 | 1 | — | 1 | 1 | 1 | — |
| Cereals and Cereal Products | — | 1 | 1 | — | — | — | — | — |
| Cheese and Cheese Products | — | 3 | 3 | — | — | — | — | — |
| Decorations Colourings etc. | — | 2 | 2 | — | — | — | — | — |
| Drugs and Medicines | — | 6 | 6 | — | 2 | 2 | 1 | — |
| Edible Oils and Fats | — | 5 | 5 | — | — | — | — | — |
| Eggs, Egg Products | — | 1 | 1 | — | — | — | — | — |
| Fish Products (Canned) | — | 3 | 3 | — | — | — | — | — |
| Flour and Flour Confectionery | — | 10 | 10 | — | — | — | — | — |
| Fruit (Canned) | — | 6 | 6 | — | — | — | — | — |
| Fruit Crystallised, Juice, etc. | — | 2 | 2 | — | — | — | — | — |
| Junior Egg Custard with Rice | — | 1 | 1 | — | 1 | 1 | — | — |
| Meat Products (Canned) | — | 16 | 16 | — | 2 | 2 | — | — |
| Meat Products (not Canned) | — | 5 | 5 | — | — | — | — | — |
| Meat Products (Pies etc.) | — | 3 | 3 | — | 1 | 1 | 1 | — |
| Milk | 49 | 1 | 50 | — | — | — | — | — |
| Milk Products | — | 4 | 4 | — | — | — | — | — |
| Miscellaneous | — | 7 | 7 | — | 1 | 1 | 1 | — |
| Nuts and Nut Products | — | 1 | 1 | — | — | — | — | — |
| Pickles, Vinegars etc. | — | 5 | 5 | — | — | — | — | — |
| Preserves | — | 9 | 9 | — | — | — | — | — |
| Puddings | — | 2 | 2 | — | — | — | — | — |
| Sauces, Spices Herbs etc. | — | 14 | 14 | — | — | — | — | — |
| Soft Drinks | — | 7 | 7 | — | 1 | 1 | 1 | — |
| Soups | — | 2 | 2 | — | — | — | — | — |
| Sugar and Sugar Confectionery | — | 1 | 1 | — | — | — | — | — |
| Table Desserts | — | 1 | 1 | — | — | — | — | — |
| Tomatoes (Canned) | — | 1 | 1 | — | — | — | — | — |
| Vegetables (Dried, Fresh Frozen) | — | 5 | 5 | — | 1 | 1 | 1 | — |
| Vegetables (Canned) | — | 4 | 4 | — | — | — | — | — |
| | 49 | 129 | 178 | — | 10 | 10 | 6 | — |

Of the 178 samples taken and submitted for analysis, 10 (or 5.6% of the total) were reported as falling short of the required standard composition, as being definitely adulterated or giving rise to irregularities. Details of these are set out in the following table :—

| Serial No. | Article | Type of Sample | Nature of Adulteration or irregularity | Observations |
|------------|---------------------------------|----------------|--|---|
| 21 | Blackcurrant Health Drink | Informal | Green instead of purple in colour | Communicated with vendor. |
| 70 | Beef and Onion flavoured Crisps | Informal | Misleading claim | Communicated with packer. |
| 102 | Egg and Bacon Breakfast | Informal | Contained Mould | Communicated with Manufacturer |
| 103 | Milk | Informal | Contained added water | Further supplies from same source found to be genuine |
| 95 | Dietary control Tablets | Informal | Unsuitable for slimming | Communicated with Manufacturer |
| 100 | Herbal tablets | Informal | Misleading claims | Communicated with Manufacturer |
| 93 | Canned Ham and Turkey with Veg. | Informal | Deficient in Meat | Communicated with Manufacturer |
| 120 | Junior Egg Custard with Rice | Informal | Over processed | Communicated with Manufacturer |
| 155 | Steak and Kidney Pie | Informal | Poor quality filling | Communicated with Manufacturer |
| 164 | Freeze soft Drinks | Informal | Contained Mould | Communicated with Manufacturer |

LANCASHIRE COUNTY COUNCIL (GENERAL POWERS)
ACT 1951.

Section 14 of this Act, which has been adopted by the Corporation, provides for the registration of hawkers of food and premises used by them for storage. These premises are regularly inspected, and all practicable control is exercised over the hawkers themselves.

ICE CREAM.

All premises at which ice-cream is manufactured or sold were regularly inspected, 186 visits being made during the year.

In addition, 72 samples were taken for bacteriological examination. Samples were submitted to a methylene blue reduction test, and divided into four grades, in accordance with a provisional grading system recommended by the Ministry of Health. As a working basis, the Ministry have suggested that 50% of the samples from any one source should fall into grade 1, 80% into grades 1 and 2, and none into grade 4. No claims for the infallibility of this test are made by the Ministry, but it forms a useful adjunct to regular inspection, and helps the Public Health Inspectors to concentrate their efforts on endeavouring to improve the technique of the less satisfactory producers and retailers.

When sampling ice-cream it is the Public Health Inspectors' practice to devote special attention to the less satisfactory sources of supply, and to take immediate 'repeat' samples when the original sample is placed in grade 3 or 4.

72 samples were submitted to the 'methylene blue' test and of these 49 were placed in grade one, 22 in grade two, 1 in grade three and 0 in grade four.

MEAT AND OTHER FOODS

The inspection of food premises is carried out by the Public Health Inspectors, all of whom possess the necessary qualifications. Shops, vehicles and premises where food is prepared, stored, conveyed or sold are kept under constant supervision.

In carrying out this work the following inspections were made :—

Butchers' Shops, 147 inspections.

Other Food Shops, Vehicles and Premises, 1,336 inspections.

MILK SUPPLY

Under the Milk (Special Designation) Regulations, 1963-5, the number of dealers' licences in force at the end of the year was :-

Pre-packed milk—86

Untreated milk—1

The number of dealers authorised to deal in milk of the following designations was :-

Untreated—1

Pasteurised—83

Sterilised—45

Ultra Heat Treated—6

Visits of inspection made during the year numbered 319.

CLEANLINESS OF MILK SUPPLY.

The standard of cleanliness adopted by the Corporation is that prescribed by the Ministry. 97 samples of milk were submitted for bacteriological examination during the year, and 94, or 97 per cent, reached the required standard of cleanliness. In 11 instances the tests were declared void.

The table below gives in detail the results of all samples taken during the year :—

| Total Number of Samples | Grade of Milk Sampled | | |
|-------------------------|-----------------------|-------------|------------|
| | Untreated | Pasteurised | Sterilized |
| 97 | — | 82 | 15 |

| Results | Number of samples submitted to test | Number satisfactory | Number unsatisfactory | Number void |
|-----------------------|-------------------------------------|---------------------|-----------------------|-------------|
| Methylene Blue Test | 81 | 67 | 3 | 11 |
| Phosphatase Test | 81 | 81 | — | — |
| Turbidity Test | 15 | 15 | — | — |
| Inoculation Test | — | — | — | — |
| Brucellosis-Ring Test | — | — | — | — |
| Colony Count Test | 1 | 1 | — | — |

UN SOUND FOOD.

During the year the undermentioned quantities of food were found to be unfit for human consumption and were voluntarily surrendered.

| | |
|-----------------------------------|-------------------|
| Meat, tins or packets | 1979 lbs. 5 ozs. |
| Fruit, tins or packets | 1942 lbs. 3½ ozs. |
| Vegetables, tins or packets | 2760 lbs. 12 ozs. |
| Fish, tins or packets | 850 lbs. 10½ ozs. |
| Soup | 252 lbs. 7 ozs. |
| Milk and cream..... | 66 pints |
| Beverages | 136 galls. |
| Preserves | 514 lbs. 12 ozs. |
| Miscellaneous | 1597 lbs. 3 ozs. |
| Ice Cream | 51½ galls. |
| Eggs | 63 doz. |
| Confectionery | 306 lbs. 7½ ozs. |
| Cereals | 204 lbs. 5 ozs. |
| Baby Foods | 19 lbs. 7 ozs. |

BAKEHOUSES.

At the end of 1971 there were 10 bakehouses in the Borough. All bakehouses were inspected, and generally found to be maintained in a clean and satisfactory condition.

In several instances bakehouses were noticed to be in need of cleansing and limewashing, and on notifying the occupier the matter was promptly remedied. Various minor defects were noted and on intimation were subsequently rectified.

There are no basement bakehouses in the Borough.

FOOD HYGIENE REGULATIONS.

The requirements of the Regulations were generally well observed. Minor infringements were rectified upon request, and no prosecutions were necessary.

SECTION 4

Prevalence and Control of Infectious Diseases.

Table of Infectious Diseases Notified during 1971.

| Notifiable Diseases | Number of cases notified | Age Groups | | | | | | | | | Total deaths |
|---|--------------------------|-------------|---------|---------|---------|----------|----------|----------|----------|----------------|--------------|
| | | Under 1 yr. | 1— yrs. | 2— yrs. | 5— yrs. | 10— yrs. | 15— yrs. | 25— yrs. | 35— yrs. | 45 yrs. & over | |
| Scarlet Fever | 21 | — | — | 2 | 13 | 4 | 1 | 1 | — | — | — |
| Whooping Cough | 14 | — | 5 | 5 | 4 | — | — | — | — | — | — |
| Diphtheria | — | — | — | — | — | — | — | — | — | — | — |
| Measles | 39 | 1 | 9 | 20 | 8 | — | 1 | — | — | — | — |
| Malaria | — | — | — | — | — | — | — | — | — | — | — |
| Meningococcal Infection | — | — | — | — | — | — | — | — | — | — | — |
| Acute Poliomyelitis— paralytic | — | — | — | — | — | — | — | — | — | — | — |
| non-paralytic | — | — | — | — | — | — | — | — | — | — | — |
| Acute Encephalitis— infective | — | — | — | — | — | — | — | — | — | — | — |
| post-infectious | — | — | — | — | — | — | — | — | — | — | — |
| Dysentery | 16 | — | 1 | 6 | 5 | — | 1 | 2 | 1 | — | — |
| Ophthalmia Neonatorum | 1 | 1 | — | — | — | — | — | — | — | — | — |
| Puerperal Pyrexia | — | — | — | — | — | — | — | — | — | — | — |
| Smallpox | — | — | — | — | — | — | — | — | — | — | — |
| Paratyphoid Fevers | — | — | — | — | — | — | — | — | — | — | — |
| Enteric or Typhoid Fever | — | — | — | — | — | — | 4 | 1 | 1 | 2 | — |
| Food Poisoning | 8 | — | — | — | — | — | — | — | — | — | — |
| Erysipelas | — | — | — | — | — | — | — | 2 | 3 | 6 | — |
| Tuberculosis: Pulmonary | 13 | — | — | — | — | — | 2 | 1 | 2 | 1 | — |
| Non-Pulmonary | 4 | — | — | — | — | — | — | 1 | 2 | 1 | — |
| Infective Jaundice | 9 | — | — | — | 1 | 3 | — | — | — | — | — |
| TOTALS | 125 | 2 | 15 | 33 | 31 | 5 | 12 | 8 | 9 | 10 | — |

The corrected total of confirmed cases of infectious disease amounted to 125 as against 841 the previous year. 456 visits were made by the Public Health Inspectors for the purpose of investigating certain cases of infectious disease.

Disinfection was carried out at premises where infectious diseases occurred, 1 house being treated during the year. In addition, 86 articles of clothing, bedding, &c., and 60 library books were removed and treated at the disinfecting station.

The Borough Education Officer and principals at the schools were notified of occurrences concerning school children, and the Borough Librarian was notified of all cases.

**Infectious Diseases recorded in selected years since the
formation of the Borough.**

| Diseases | 1937 | 1940 | 1950 | 1960 | 1971 |
|---------------------------------|------|------|------|------|------|
| Scarlet Fever | 83 | 109 | 120 | 83 | 21 |
| Whooping Cough | 37 | 26 | 155 | 70 | 14 |
| Diphtheria and Memb. Croup ... | 87 | 103 | — | — | — |
| Measles | 278 | 893 | 779 | 858 | 39 |
| Meningococcal Infection | — | 17 | 3 | 1 | — |
| Poliomyelitis—acute | — | 2 | 6 | — | — |
| Encephalitis—acute | — | 1 | 1 | — | — |
| Dysentery | — | — | 1 | 11 | 16 |
| Ophthalmia Neonatorum | 4 | 19 | — | — | 1 |
| Puerperal Pyrexia | 1 | 6 | 1 | 1 | — |
| Smallpox | — | — | — | — | — |
| Paratyphoid Fevers | — | — | — | — | — |
| Enteric or Typhoid Fever | 7 | 5 | — | — | — |
| Food Poisoning | — | — | 1 | — | 8 |
| Erysipelas | 20 | 32 | 20 | 7 | — |
| Malaria | — | 1 | 1 | — | — |
| Tuberculosis—Pulmonary | 66 | 71 | 103 | 40 | 13 |
| Tuberculosis—Non-Pulmonary ... | 19 | 12 | 8 | 4 | 4 |
| Relapsing Fever | 1 | — | — | — | — |
| *Infective Jaundice | — | — | — | — | 9 |
| Totals ... | 603 | 1297 | 1199 | 1075 | 125 |

*Notifiable Disease from 1st October 1968.

SECTION 5

Shops Acts, 1950 to 1965

Routine visiting of shops was continued during 1971, a total of 110 visits being made. Contraventions discovered were referred to the persons responsible. These matters received prompt attention and were dealt with informally.

At the end of the year there were 930 occupied shops on the register.

THE PET ANIMALS ACT, 1951.

This Act confers upon Local Authorities power to licence and control pet shops. All shops in the Borough where animals are sold are inspected and in licensing such premises the Council have imposed conditions designed to secure the comfort and humane treatment of the animals concerned.

PETROLEUM REGULATIONS.

Thirty-three premises were licensed during the year for the storage of petrol. 16 of these premises were public filling stations; in the remaining cases petrol was stored only for use in the Licensees' vehicles.

Three licences were issued for the storage of cellulose thinners.

THE OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

This Act, which came into force on 1st August, 1964, increased the local authority's power of control over shops, for the first time extended these powers to offices, and made registration obligatory upon the proprietors of both types of premises.

The table below gives details of each type of premises on the register at the end of the year and the number of visits made.

| <i>Class</i> | <i>Number of premises</i> | <i>Number received a general inspection</i> | <i>Number of exemptions</i> |
|--------------------------------------|---------------------------|---|-----------------------------|
| Offices | 121 | 45 | — |
| Retail Shops | 435 | 213 | — |
| Wholesale shops, Warehouses | 12 | 9 | — |
| Catering establishments, Canteens | 41 | 33 | — |
| Fuel storage depots | 1 | 1 | — |
| No. of visits of all kinds | | 603 | |

SECTION 6

FACTORIES ACTS, 1937 to 1961.

1. INSPECTIONS for purposes of provisions as to health.

| Premises | Number on Register | Number of | | |
|---|--------------------------|------------------|--------------------|-------------------------|
| | | In- spections | Written Notices | Occupiers Prosecuted |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ... | 10 | 10 | — | — |
| (ii) Factories not included in (i) in which Sec. 7 is enforced by the Local Authority ... | 69 | 94 | — | — |
| (iii) Other Premises in which Sec. 7 is enforced by the Local Authority (excluding out-workers' premises) ... | 6 | 9 | — | — |
| TOTAL ... | 85 | 113 | — | — |

2. CASES IN WHICH DEFECTS WERE FOUND.

| Particulars | Number of cases in which defects were found | | | | Number of cases in which Prosecutions were Instituted |
|---|---|----------|-------------------|-------------------|---|
| | Found | Remedied | To H.M. Inspector | By H.M. Inspector | |
| Want of cleanliness (S.1.) ... | 3 | 3 | — | — | — |
| Overcrowding (S.2.) ... | — | — | — | — | — |
| Unreasonable temperature (S.3.) | — | — | — | — | — |
| Inadequate ventilation (S.4.) ... | — | — | — | — | — |
| Ineffective drainage of floors (S.6.) | — | — | — | — | — |
| Sanitary Conveniences (S.7.) | | | | | |
| (a) Insufficient ... | — | — | — | — | — |
| (b) Unsuitable or defective ... | 6 | 5 | — | — | — |
| (c) Not separate for sexes ... | — | — | — | — | — |
| Other offences against the Act (not including offences relating to Outwork) ... | — | — | — | — | — |
| TOTAL ... | 9 | 8 | — | — | — |

HOME WORKERS.

Occupiers of factories from which work of certain kinds is given out are compelled to keep a list of outworkers employed by them, and to send a copy of the list to the Local Authority in February and August of each year. Notification was received regarding one outworker in Crosby during 1971.

SECTION 7

Housing and Environmental Hygiene.

NUMBER OF NEW HOUSES ERECTED DURING THE YEAR

| | | | | <i>Houses, maisonettes and bungalows</i> | <i>Flats</i> |
|----------------------------|-----|-----|-----|--|--------------|
| By the local authority | ... | ... | ... | — | 8 |
| By other local authorities | ... | ... | ... | — | — |
| By other bodies or persons | ... | ... | ... | 38 | 28 |

INSPECTION OF THE DISTRICT

During the year 9,174 premises in the Borough were inspected.

To secure the abatement of nuisances found during these inspections, 551 preliminary notices were served upon owners and occupiers. Cases in which these notices were not complied with were reported to the Health Committee, upon whose order 92 statutory notices were served.

Premises were visited while work was in progress with the object of ensuring that the nuisances were satisfactorily abated, the number of such re-inspections being 2,243. 1,400 nuisances were discovered and 1,263 abated during the year.

Intimations were sent to the Borough Engineer's Department on 22 occasions regarding the following matters noted during inspections of the district.

| | |
|--|---|
| Choked or damaged gullies and sewers | 9 |
| Removal of refuse and debris | 6 |
| Dangerous walls and buildings | 3 |
| Miscellaneous matters | 4 |

INSPECTION OF DWELLING-HOUSES DURING THE YEAR

| | |
|---|-------|
| 1. (a). Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) | 3,067 |
| (b). Number of inspections made for the purpose | 5,288 |
| 2. (a). Number of dwelling-houses (included under 1 above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 | — |
| (b). Number of inspections made for the purpose | — |
| 3. Number of houses in a state so dangerous or injurious to health as to be unfit for human habitation | 860 |
| 4. Number of dwelling-houses (exclusive of 3 above) found not to be in all respects reasonably fit for human habitation | 527 |

REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES

| | |
|---|-----|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers | 624 |
|---|-----|

ACTION UNDER STATUTORY POWERS

Proceedings under Public Health Acts :—

| | |
|---|----|
| (1). Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | 92 |
| (2). Number of dwelling-houses in which defects were remedied after service of formal notices :— | |
| (a). By owners | 73 |
| (b). By Local Authority in default of owners | — |

Proceedings under Sections 16 and 17 of Housing Act, 1957 :—

| | |
|--|---|
| (1). Number of dwelling-houses in respect of which Demolition Orders were made | — |
| (2). Number of dwelling-houses demolished in pursuance of Demolition Orders | — |
| (3). Number of houses in clearance areas confirmed during the year | — |

THE RENT ACT, 1957.

No applications for the issue of certificates of disrepair or certificates as to the remedying of defects were received.

HOUSING ACT, 1969

Since the act became operative in August 1969, 578 applications for qualification certificates have been received and 44 certificates issued.

OFFENSIVE TRADES AND FISH FRIERS.

There are no premises in the Borough at which offensive trades are carried on.

There were 20 fish frying establishments on the register at the end of 1971. 69 visits of inspection were made during the year and in all cases the premises were found to be maintained in a clean and satisfactory condition. Minor matters discovered in inspections were all remedied informally.

REMOVAL OF HOUSE REFUSE.

This work is carried out under the direction of the Borough Engineer and Surveyor and supervised by the Highways Superintendent.

The removal of household refuse throughout the Borough is effected by means of mechanised vehicles. Ashbins are emptied weekly.

Trade refuse is removed weekly by means of a covered motor vehicle, and the charge for collection is 5p per bin after one free bin per week.

The Corporation dispose of the refuse by controlled tipping, under a joint scheme operated by Crosby, Bootle and Litherland.

During the year an estimated total of 18,592 tons of refuse was collected and removed.

STREAMS AND WATERCOURSES.

The streams and ditches are cleansed and bottomed by their owners and receive frequent inspection.

With the spread of new houses into the rural area, the task of keeping ditches clear becomes more difficult each year, and constant supervision is necessary.

SMOKE ABATEMENT.

There are four factory chimneys in the Borough. Observations were taken during the year, but few serious emissions of smoke were noted. There can be little doubt that nearly all the atmospheric pollution in the Borough is now due to domestic chimneys and smoke blown in from other areas.

A daily volumetric smoke and sulphur dioxide recorder is in operation at Alexandra Hall.

CINEMAS.

There is one cinema in the Borough which was inspected and found to be well conducted.

VERMIN-INFESTED PREMISES.

Where vermin are found, whatever treatment seems most appropriate is promptly applied. Bug-infested dwellings are liberally sprayed with an approved insecticide. Bedding is removed before spraying commences, treated with high pressure steam, and returned, aired and ready for use, on the same day. Flies, fleas and moths are dealt with by a lighter spraying with the same insecticide, or by dissemination of insecticidal smokes in the affected rooms.

Infestations of cockroaches, ants and silverfish are treated by insecticide recommended for the purpose.

Precautions are taken to guard against the risk of bug-infestation in Corporation houses, and if the least trace of infestation is found, the furniture is treated with a liquid insecticide. At the same time, bedding, etc., is treated by high pressure steam in the Corporation's disinfecter.

All complaints received regarding infestation were investigated, and bugs were found in the following premises :—

Council Houses, 28.

Other Houses, 23.

39 detailed inspections were recorded under this heading during the year, and 299 premises were disinfested on account of infestation by fleas, moths, cockroaches, ants, 'silverfish', wasps, woodworms and spider-beetles.

TENTS, VANS AND SHEDS.

There are no temporary dwellings on licensed sites in the Borough.

PREVENTION OF DAMAGE BY PESTS ACT, 1949.

The acquired immunity of mice to the rodenticides in common use continued to cause concern, but new rodenticides, reasonably effective against mice have been used during the year with good results.

| | | | <i>Type of property</i> | |
|--|-----|-----|-------------------------|---------------------|
| | | | <i>Non-agricultural</i> | <i>Agricultural</i> |
| No. of properties in district | ... | ... | 21,519 | 16 |
| Total no. of properties inspected following notification | ... | ... | 564 | — |
| No. infested by (a) rats | ... | ... | 186 | — |
| (b) mice | ... | ... | 378 | — |

SCHOOLS.

At the end of 1971 there were 34 Schools in the Borough. The names of all children who are excluded from school on account of infectious disease in their homes are notified to the Head Teachers of the schools concerned.

BACTERIOLOGICAL WORK

All specimens requiring bacteriological examination are submitted to The Public Health Laboratory, Liverpool.

WATER SUPPLY

The Liverpool Corporation supply the whole of the Borough with water excellent in quality and adequate in quantity, drawn chiefly from Llyn Celyn and Lake Vyrnwy in North Wales, supplemented by water from the River Dee. All houses are served from the public mains.

The water is purified by filtration, and afterwards treated with chlorine. Samples are regularly examined by the Liverpool City Bacteriologist, with uniformly satisfactory results. The water contains 0.04 natural fluoride (expressed as F in P.P.M.).

No difficulties due to plumbo-solvent action have been experienced.

STREET SWEEPING

This work is carried out under the direction of the Borough Engineer and Surveyor by Corporation workmen under the supervision of a Highways Superintendent.

Trunk roads and most classified roads are cleansed daily and other classified roads and district roads at least once weekly. The district is therefore kept in a clean and tidy state, the whole of the approximately 86 miles of roads with their rear passages receiving regular attention. The work is carried out on the gang system and electrically propelled vehicles are used. All gullies are emptied and cleansed at least 6 times a year.

SUMMARY OF WORK OF PUBLIC HEALTH INSPECTORS, 1971.

PUBLIC HEALTH AND HOUSING ACTS.

| | |
|--|------|
| Number of dwelling houses inspected under Public Health Act | 2079 |
| " " re-visited under Public Health Act | 2156 |
| " " inspected under Housing Acts | 988 |
| " " re-visited " " " | 65 |
| " " inspected re vermin | 39 |
| " " inspected re overcrowding and re-housing | 66 |
| " complaints received and investigated | 2243 |

GENERAL SANITATION.

| | |
|---|-----|
| Number of visits re drainage inspections and tests | 28 |
| " " Water Supply | 66 |
| " " Infectious Diseases and Disinfection | 456 |
| " " Rats and Mice Infestation | 85 |
| " " Factories, workplaces and outworkers' rooms | 89 |
| " " Houses let in lodgings | 10 |
| " " Smoke Observations and Clean Air Act | 211 |
| " " Pet Shops | 4 |
| " " Petroleum Act | 104 |
| " " Explosives Acts | 52 |
| " " Public Conveniences | 20 |
| " " Common Yards and Passages | 109 |
| " " Refuse Collection and Disposal | 69 |
| " " Schools | 55 |
| " " Animal Boarding Establishments | 1 |
| " " Noise Abatement | 8 |

MEAT AND FOOD INSPECTION.

| | |
|---|-----|
| Number of visits to Preserved Food Premises | 82 |
| " " Butchers' Shops | 147 |
| " " Dairies and Milk Shops | 319 |
| " " Fishmongers and Poulterers | 160 |
| " " Fried Fish Shops | 69 |
| " " Greengrocers and Fruiterers | 129 |
| " " Grocers | 441 |
| " " Bakers and Confectioners | 99 |
| " " Restaurants and Dining Rooms | 74 |
| " " Licensed Houses | 39 |
| " " Ice Cream Premises | 186 |
| " " Other Food Premises | 243 |
| Number of samples taken—Food and Drugs | 149 |
| " " —Milk for Bacteriological Examination | 97 |
| " " —Ice Cream | 72 |

MISCELLANEOUS.

| | |
|--|-----|
| Number of visits under Offices, Shops and Railway Premises Act | 593 |
| Number of visits to Shops concerning Shops Act | 110 |
| Number of visits concerning Improvement Grants | 81 |
| Number of visits concerning Rent Acts | 3 |
| Interviews with Owners, Contractors, etc. | 255 |
| Sundry visits and inspections | 403 |

DISINFECTION AND DISINFESTATION.

Rooms, etc., disinfected after Infectious Diseases :—

| | |
|--|-----|
| Number of rooms | 1 |
| Number of articles of clothing, bedding, etc. | 86 |
| Number of Library Books | 60 |
| Number of Verminous Rooms Disinfested | 656 |

NOTICES SERVED AND COMPLIED WITH.

| | |
|---|-----|
| Preliminary notices served | 551 |
| Preliminary notices complied with | 624 |
| Statutory notices served | 92 |
| Statutory notices complied with | 73 |

NUISANCES ABATED AND DEFECTS REMEDIED.

(a) Dwelling Houses—

| | |
|--|-----|
| Dangerous or defective walls rebuilt | 12 |
| Roofs repaired or renewed | 129 |
| External walls re-pointed or repaired | 36 |
| Rainwater pipes and eavesgutters repaired or renewed | 83 |
| Dampness remedied | 58 |
| Wall plaster repaired | 66 |
| Ceilings repaired or renewed | 40 |
| Floors or stairways repaired or renewed | 14 |
| Doors repaired or renewed | 43 |
| Windows repaired or renewed | 43 |
| Cooking ranges and fireplaces repaired or renewed .. | 3 |
| Chimneys and stacks repaired | 17 |
| Water supply pipes repaired or supply improved | 51 |
| Sinks provided, renewed or repaired | 7 |
| Sink waste pipes renewed or repaired | 18 |
| Yards and passages paved or repaired | 11 |
| Miscellaneous | 19 |

(b) Drainage—

| | |
|--|-----|
| Drains cleared of obstruction | 347 |
| Drains repaired or reconstructed | 8 |
| Soil pipes, ventilating shafts, etc., repaired | 5 |

(c) Water Closets—

| | |
|---|----|
| New water closets provided | — |
| Compartments repaired or cleansed | 22 |
| Basins provided or repaired | 34 |
| Cisterns provided or repaired | 47 |

(d) Dustbins—

| | |
|-----------------------------|----|
| New dustbins provided | 43 |
|-----------------------------|----|

(e) Miscellaneous—

| | |
|---------------------------------------|----|
| Offensive accumulations removed | 23 |
|---------------------------------------|----|

R. SPENCER,

Chief Public Health Inspector.

